Practical-3: Registration Form

activity_main.xml: <?xml version="1.0" encoding="utf-8"?> <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent" android:layout height="match parent" tools:context=".MainActivity"> <TextView android:id="@+id/TextView1" android:layout_width="83dp" android:layout_height="42dp" android:layout_marginStart="16dp" android:layout marginTop="48dp" android:text="@string/name" android:textSize="24sp" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent" /> <EditText android:id="@+id/name" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginTop="48dp" android:layout marginEnd="16dp" android:autofillHints="Name" android:ems="10" android:inputType="textPersonName" android:minHeight="48dp" app:layout_constraintEnd_toEndOf="parent" app:layout constraintHorizontal bias="1.0" app:layout_constraintStart_toEndOf="@+id/TextView1" app:layout_constraintTop_toTopOf="parent" tools:ignore="LabelFor,SpeakableTextPresentCheck" /> <TextView android:id="@+id/textView" android:layout_width="112dp" android:layout_height="44dp" android:layout_marginStart="16dp" android:layout_marginTop="28dp"

```
android:text="@string/enroll_no"
  android:textSize="24sp"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/TextView1"/>
<EditText
  android:id="@+id/enroll"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="24dp"
  android:layout_marginEnd="16dp"
  android:ems="10"
  android:inputType="number"
  android:minHeight="48dp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/name"
  tools:ignore="Autofill,LabelFor,SpeakableTextPresentCheck" />
<TextView
  android:id="@+id/textView2"
  android:layout_width="101dp"
  android:layout height="45dp"
  android:layout_marginStart="16dp"
  android:layout_marginTop="28dp"
  android:text="@string/gender"
  android:textSize="24sp"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView"/>
<RadioGroup
  android:id="@+id/radioGroup"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="28dp"
  android:orientation="horizontal"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.511"
  app:layout_constraintStart_toEndOf="@+id/textView2"
  app:layout_constraintTop_toBottomOf="@+id/enroll">
  < Radio Button
    android:id="@+id/Male"
    android:layout_width="wrap_content"
    android:layout height="match parent"
    android:text="@string/male"/>
```

```
<RadioButton
    android:id="@+id/Female"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/female"/>
</RadioGroup>
<TextView
  android:id="@+id/textView3"
  android:layout_width="86dp"
  android:layout_height="38dp"
  android:layout_marginStart="16dp"
  android:layout marginTop="28dp"
  android:text="@string/e mail"
  android:textSize="24sp"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView2"/>
<EditText
  android:id="@+id/mail"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:layout_marginTop="16dp"
  android:autofillHints="abc.xyz@pqr.com"
  android:ems="10"
  android:inputType="textEmailAddress"
  android:minHeight="48dp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.816"
  app:layout constraintStart toEndOf="@+id/textView3"
  app:layout_constraintTop_toBottomOf="@+id/radioGroup"
  tools:ignore="LabelFor,SpeakableTextPresentCheck" />
<TextView
  android:id="@+id/textView4"
  android:layout width="143dp"
  android:layout_height="36dp"
  android:layout_marginStart="16dp"
  android:layout_marginTop="28dp"
  android:text="@string/department"
  android:textSize="24sp"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/textView3" />
<RadioGroup
  android:id="@+id/radioGroup2"
```

```
android:layout_width="180dp"
  android:layout_height="281dp"
  android:layout_marginTop="24dp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.51"
  app:layout constraintStart toEndOf="@+id/textView4"
  app:layout_constraintTop_toBottomOf="@+id/mail">
  < Radio Button
    android:id="@+id/mech"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/mechanical"/>
  < Radio Button
    android:id="@+id/elec"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/electrical"/>
  < Radio Button
    android:id="@+id/chem"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/chemical"/>
  <RadioButton
    android:id="@+id/civil"
    android:layout_width="match_parent"
    android:layout height="wrap content"
    android:text="@string/civil"/>
  <RadioButton
    android:id="@+id/comp"
    android:layout width="match parent"
    android:layout_height="wrap_content"
    android:text="@string/computer"/>
  < Radio Button
    android:id="@+id/IT"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:minHeight="48dp"
    android:text="@string/i_t"
    tools:ignore="TouchTargetSizeCheck" />
</RadioGroup>
```

```
<Button
    android:id="@+id/Submit"
    android:layout_width="267dp"
    android:layout height="63dp"
    android:text="@string/submit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup2"/>
</androidx.constraintlayout.widget.ConstraintLayout>
MainActivity.java:
package com.example.practical_3;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
public class MainActivity extends AppCompatActivity {
  public String gender;
  public String Department;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    EditText name = (EditText) findViewById(R.id.name);
    EditText no = (EditText) findViewById(R.id.enroll);
    EditText mail = (EditText) findViewById(R.id.mail);
    RadioButton M = (RadioButton) findViewById(R.id.Male);
    RadioButton F = (RadioButton) findViewById(R.id.Female);
    RadioButton mech = (RadioButton) findViewById(R.id.mech);
    RadioButton elec = (RadioButton) findViewById(R.id.elec);
    RadioButton civil = (RadioButton) findViewById(R.id.civil);
    RadioButton chem = (RadioButton) findViewById(R.id.chem);
    RadioButton comp = (RadioButton) findViewById(R.id.comp);
    RadioButton it = (RadioButton) findViewById(R.id.IT);
```

```
Button submit = (Button) findViewById(R.id.Submit);
  M.setOnClickListener(view -> gender = M.getText().toString());
  F.setOnClickListener(view -> gender = F.getText().toString());
  mech.setOnClickListener(view -> Department = mech.getText().toString());
  elec.setOnClickListener(view -> Department = elec.getText().toString());
  chem.setOnClickListener(view -> Department = chem.getText().toString());
  civil.setOnClickListener(view -> Department = civil.getText().toString());
  comp.setOnClickListener(view -> Department = comp.getText().toString());
  it.setOnClickListener(view -> Department = it.getText().toString());
  submit.setOnClickListener(view -> {
    Intent snd = new Intent(MainActivity.this, Details.class);
    String Nm = name.getText().toString();
    String e no = no.getText().toString();
    String email = mail.getText().toString();
    snd.putExtra("Name",Nm);
    snd.putExtra("Enrollment_No",e_no);
    snd.putExtra("Email",email);
    snd.putExtra("Gender",gender);
    snd.putExtra("Department",Department);
    startActivity(snd);
  });
}
```

activity_details.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout_width="match_parent"
   android:layout_height="match_parent"</pre>
```

```
tools:context=".Details">
<TextView
  android:id="@+id/Tv1"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginTop="70dp"
  android:text="@string/name"
  android:textSize="24sp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent" />
<TextView
  android:id="@+id/Tv2"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="70dp"
  android:text="@string/enroll no"
  android:textSize="24sp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/Tv1"/>
<TextView
  android:id="@+id/Tv3"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:layout_marginTop="70dp"
  android:text="@string/e mail"
  android:textSize="24sp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/Tv2"/>
<TextView
  android:id="@+id/Tv4"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginTop="70dp"
  android:text="@string/gender"
  android:textSize="24sp"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toBottomOf="@+id/Tv3"/>
```

```
<TextView
    android:id="@+id/Tv5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout marginTop="70dp"
    android:text="@string/department"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/Tv4"/>
</androidx.constraintlayout.widget.ConstraintLayout>
Details.java:
package com.example.practical_3;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
public class Details extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_details);
    TextView tv1 = (TextView) findViewById(R.id.Tv1);
    TextView tv2 = (TextView) findViewById(R.id.Tv2);
    TextView tv3 = (TextView) findViewById(R.id.Tv3);
    TextView tv4 = (TextView) findViewById(R.id.Tv4);
    TextView tv5 = (TextView) findViewById(R.id.Tv5);
    Intent rcv = getIntent();
    String Nme = rcv.getStringExtra("Name");
    String enrollment = rcv.getStringExtra("Enrollment_No");
    String E mail = rcv.getStringExtra("Email");
    String Gender = rcv.getStringExtra("Gender");
    String Department = rcv.getStringExtra("Department");
    tv1.setText(Nme);
    tv2.setText(enrollment);
    tv3.setText(E_mail);
    tv4.setText(Gender);
```

```
tv5.setText(Department);
}
```

Output:

